

# **AUTOMOBILE WHEEL AND TRACK SNARE**

COLLIER

## **FIELD OF THE INVENTION**

The invention relates to apparatus to disable vehicles. In particular, this invention relates to automobile wheel and track snares to disable vehicles.

## **BACKGROUND OF THE INVENTION**

Every year persons are killed in high-speed motor vehicle chases, when police are forced into chasing fleeing suspects. The victims of these high-speed chases include police officers, suspects and members of the public. Members of the military are often time victims.

## **DESCRIPTION OF THE PRIOR ART**

None with holding probes or grappling hooks.

Various road barriers and tire piercing structure has been utilized in the prior art to prevent vehicle from fleeing from police. Prior art tire piercing apparatus is exemplar in U.S. Pat. No. 4,473,948 Chadwick where in a base plate includes a plurality of pins projecting upwards of the base plate to prevent an automobile from being driven. U.S. Pat. No. 4,382,714 Hutchison this invention is a vehicle-disabling device adapted to project a plurality of spike like devices to puncture one or more tires of a fleeing vehicle. Spike bases secured to bases by either a strand or cord also a short length of chain.

## **SUMMARY OF THE INVENTION**

What is required is a method and apparatus that can be used to halt a suspect's motor vehicle in advance of police chase, rendering a high-speed chase unnecessary. In its preferred embodiment the wheel and track snare consists of a folding deployment board ten feet long, one or two feet wide, measurements can be approximated depending on the immediate requirements, as the device can be assembled in a very short time.

Collier

DESCRIPTION OF THE PREFERRED  
EMBODIMENT

The wheel and track snair is designed to stop a moving vehicle on rubber or track driven vehicle. On tire driven vehicle the snair plates will have barbs in a screw type configuration that are mounted on a swivel collar to aid the turning of the probe into solid rubber. For track driven vehicle or tank the base plates are equipped with grappling hooks. Wire rope is strung through guide sleeves; chain can not be used, this will be answered hereinafter, the cable is fashioned with a sliding noose. The barbed plates are forced in to the tire of the moving vehicle causing the cable to rap around wheel control arms and drive axles. This action using the vehicles own power of the spinning wheel will cause the noose to tighten causing controls and wheels to seize. The cable and spike probes are laced on to folding deployment board. Cable held in place by small clips.

The wheel and track snair is designed to and will stop a moving vehicle on rubber or track driven vehicle. On tire driven vehicle the snair plates will have barbs in a screw type configuration that are welded on to said plates. The barbed plates are strung on to a wire rope or cable that is fashioned with a sliding noose. The barbed plates will be forced in to the tire of the moving vehicle causing the cable to rap around wheel and control arms. This action using the vehicles own power and with the lasso effect will disable the vehicles control arms and drive axles causing the wheels to seize; and or collapse. The cable laced on to a 4'x 8' hinged board and held down with clips so that the cable assembly can separate from the deployment board or rack when struck by moving vehicle.